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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/653,633	09/01/2000	Theodore J. Krawiec	CITI0181	5377

27510 7590 09/24/2004

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WASHINGTON, DC 20005

EXAMINER

LEZAK, ARRIENNE M

ART UNIT	PAPER NUMBER
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2143

DATE MAILED: 09/24/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

09/653,633

Applicant(s)

KRAWIEC ET AL.

Examiner

Arrienne M. Lezak

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-8, 10-25 and 27-38 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-8, 10-25 and 27-38 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____.  |

### **DETAILED ACTION**

1. Examiner notes that Claims 1, 18 & 35 have been substantively amended, Claims 6-8, 10-17, 23-25, 27-34 & 36-38 have been non-substantively amended, Claims 9 & 26 have been cancelled and no new Claims have been added since issuance of the prior Office Action. Claims not explicitly addressed herein are found to be addressed within prior Office Action dated 4 December 2003 as reiterated herein below.

### ***Claim Rejections - 35 USC § 103***

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-6, 18-20, 21-23, and 35-38 are rejected under 35 U.S.C. 103(a) as being unpatentable over US Patent 5,933,816 to Zeanah in view of US Patent 6,115,482 to Sears.

4. Regarding Claims 1, 18 and 35, Zeanah discloses a method for providing worldwide web content, (Abstract), centralized management, (Fig.1), and local and remote administration for a self-service transaction terminal, (Abstract), comprising:

Receiving a request for a startup of at least one transaction terminal process by a process controller of the transaction terminal selected from a group of transaction terminal processes, (Col. 6, lines 39 and 40; Col. 9, lines 37-39) consisting of:

A system monitor, (Col. 10, lines 20-34); an audio application, (Col. 9, line 16); a screen reader application, (Col. 9, line 12); a session manager, (Col. 18, lines 40-43); a device manager, (Col. 8, lines 39-58); a system manager, (Col. 10, lines 50-52); a diagnostic application, (Col. 8, lines 51-54); an intelligent maintenance panel, (Col. 8, lines 39-58); a log manager, (Col. 9, lines 49-52 and Col. 11, lines 21-24); an installation framework, (Col. 8, lines 5-38); and a configuration framework, (Col. 8, lines 5-38);

Starting the at least one requested process by the process controller, Performing at least one pre-defined transaction terminal function by the started process, (Col. 19, lines 47-57); and if a command to shutdown is received, coordinating an orderly shutdown of the transaction terminal by the process controller, (Col. 8, lines 5-48).

5. Though Zeanah discloses and audio/sound capability, Zeanah does not specifically teach wherein the process controller receives a request for startup of screen reader and audio processes, and wherein the audio application functions consist at least in part of converting text to audible speech and diverting the audible speech to a headphone for a visually impaired user, while eliminating audio via external speaker at the transaction terminal, and providing a screen layout with navigation selections exclusively by touch screen for the visually impaired user.

6. Sears discloses a voice-output reading system, (Abstract), which incorporates text-to-speech conversion & a headphone jack (Col. 1, lines 45-65; Col. 11, lines 15-26), with a touch screen video display embodiment, (Col. 18, lines 57-65). It would

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have been obvious to one of ordinary skill in the art at the time of invention by Applicant to combine the Zeanah/Sears functionalities, as Zeanah teaches an audio/sound functionality, (as noted herein). Further, the use of a headphone jack would be obvious for the user desiring more privacy, (Sears – Col. 11, lines 24-26). Moreover, motivation to add a touch screen peripheral device is noted within the Zeanah patent, (Col. 9, line 12). [Examiner further notes that it would have been obvious to navigate exclusively thorough the touch screen, (without additional overt gestures) as noted within the 4 December 2003 Office Action enumerating how Blumstein ('855) discloses a visually impaired customer activated terminal method and system that incorporates the use of touch screen technology, (Blumstein - Abstract; Col. 1, lines 53-67; and Col. 2, lines 1-36)]. Thus, Newly Amended Claims 1, 18 & 35 are found to be unpatentable over the combined teachings of Zeanah in view of Sears.

7. Regarding Claim 2 and 20, Zeanah discloses a method wherein receiving the request further comprises receiving the request from one of an integrated network control and an operator interface, (Col. 6, lines 39-67 and Col. 7, lines 1-8).

8. Regarding Claims 3, 21 and 36, Zeanah discloses a method wherein receiving the request further comprises receiving the request from the process controller coupled to the integrated network control coupled over a network, (Col. 6, lines 39-67; Col. 7, lines 1-8; and Col. 9, lines 28-48).

9. Regarding Claims 4, 19 and 37, Zeanah discloses a method wherein receiving the request further comprises receiving the request from the integrated network control

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and process controller coupled over the network to a plurality of self-service transaction terminals, (Abstract; Col. 6, lines 39-67; Col. 7, lines 1-8; and Col. 9, lines 28-48).

10. Regarding Claims 5, 22 and 38, Zeanah discloses a method wherein receiving the request further comprises receiving the request from the process controller coupled to the operator interface touchpoint consisting of one of a front screen of the transaction terminal, a personal computer on a network, a video screen and a personal data assistant, (Col. 5, lines 46-60 and Col. 9, lines 28-48).

11. Regarding Claims 6 and 23, Zeanah discloses a method wherein starting the requested process by the process controller further comprises at least one of monitoring the process by the process controller, restarting the requested process by the process controller, rebooting a transaction terminal system by the process controller, and maintaining a registry of the started process by the process controller, (Col. 10, lines 31-67 and Col. 11, lines 1-26).

12. Therefore, this reference may reasonably be read to teach or describe every element or claim limitation of Claims 1-6, 18-20, 21-23, and 35-38.

13. Claims 7, 8, 10-17, 24, 25 and 27-34 are rejected under 35 U.S.C. 103(a) as being unpatentable in further consideration of US Patent 5,933,816 to Zeanah. Zeanah is relied upon for the teachings as discussed above relative to Claims 1-6, 18-20, 21-23, and 35-38.

14. Zeanah discloses a method wherein the started process comprises:

- a. the system monitor, (per pending Claims 7 and 24);
- b. the audio application, (per pending Claims 8 and 25);

- c. the session manager, (per pending Claims 10 and 27);
  - d. the device manager, (per pending Claims 11 and 28);
  - e. the system manager, (per pending Claims 12 and 29);
  - f. the diagnostics application, (per pending Claims 13 and 30);
  - g. the intelligent maintenance panel, (per pending Claims 14 and 31);
  - h. the log manager, (per pending Claims 15 and 32);
  - i. the installation framework, (per pending Claims 16 and 33); and
  - j. the configuration framework, (per pending Claims 17 and 34).
15. In direct respective correlation to 11(a-j) above, Zeanah does not specifically disclose or describe a particular means for performing the obvious general functions enumerated below:
- a. blanking a screen display; unblanking a screen display; resetting a hardware watchdog timer; resetting a hardware watchdog timeout value; and sending a system reset notification to an integrated network control.
  - b. controlling routing of an audio amplifier output; controlling an audio amplifier board; and diagnostic testing of the amplifier board.
  - c. bringing up a browser; coordinating one of a customer session, an operator session and a hardware diagnostics session; supporting one of a transaction terminal start function and a transactional terminal stop function; displaying an out-of-service transaction terminal screen; recovering from an out-of-service condition of the transaction terminal; reporting pre-selected transaction terminal status information; reporting

- one of an out-of-service and back-in-service condition of the transaction terminal; and reporting a state of the transaction terminal as one of in use, idle, diagnostics running, and back administration utility running.
- d. coordinating and allocating one of a cash dispensing module, a depositor, a dynamic reader, a touchscreen, a printer, a switch, and an indicator.
  - e. transaction terminal status monitoring; inquiry and control commands; file transfer and remote command execution; software distribution; remote peruse; log upload; auto configuration; load balancing support; device MIS; customer MIS; and time synchronization.
  - f. executing diagnostics requests; communicating with a physical device handler; diagnostic testing of a peripheral device; and providing a list of devices to a client.
  - g. obtaining status of one of a session and a device; performing one of a shutdown and a reboot through an operator request; performing an operator interface log on via an operator selection; allowing a service mode entry; and requesting a diagnostic test.
  - h. maintaining a business log and maintaining a runtime log.
  - i. distribution of software release packages; activation of software release packages; cutover of software release packages; fallback to a previously running version of software; backing out of a last distributed software release package; and reinstalling a previous software version.



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- j. installing and configuring software and configuring the transaction terminal.

16. The performance of the functionalities particularly enumerated above in 12(a-j) as they respectively relate to the system processes of 11(a-j) would have been obvious to one of ordinary skill in this art at the time of invention by applicant as noted upon further consideration of Zeanah ('816). The motivation for the same is also respectively enumerated below as follows:

- a. the monitoring of system components including maintaining a record of instrument status and a notification functionality in the event that a threshold is crossed, (Col. 10, lines 20-67 and Col. 11, lines 1-11).
- b. the inclusion of an audio generator wherein output would necessarily require adjustment per preference as well as maintenance, (Col. 9, line 16).
- c. the management of all sessions and session resources internal and external to the system including creation, maintenance and termination of sessions as needed, (Col. 18, lines 40-767 and Col. 11, lines 1-35).
- d. a device handler component which provides a generic device management interface and a specific service interface, (Col. 8, lines 5-38) and a delivery system not limited to any type of peripheral device, (Col. 9, lines 7-26).
- e. a system management agent comprising a management protocol agent, a command dispatch agent, and a status management agent which

collectively receive, translate, dispatch and monitor requests for actions or status, (Col. 10, lines 50-67 and Col. 11, lines 1-11).

- f. evaluation of customer usage versus diagnostics and determination of availability and capability of devices for client use, (Col. 8, lines 39-67 and Col. 9, lines 1-6).
- g. a device handler which maintains session and device status, coordinates shutdown and diagnostic evaluations, (Col. 8, lines 5-67 and Col. 9, lines 1-6).
- h. a logger component responsible for maintenance of log files, (Col. 9, lines 49-52).
- i. application services which include routing of requests and determination of interface need per specific device, (Col. 8, lines 5-67 and Col. 9, lines 1-6).
- j. a peripheral device service set responsible for handling application requests for peripheral device services and for managing the software components that handle such requests, (Col. 7, lines 61-67; Col. 8, lines 1-67; and Col. 9, lines 1-26).

17. Thus, Claims 7, 8, 10-17, 24, 25 and 27-34 are unpatentable over further consideration of the teachings of Zeanah.

***Response to Arguments***

18. Applicant's arguments filed 4 June 2004, have been fully considered but they are not persuasive. Applicant's arguments do not comply with 37 CFR 1.111(c) because they do not clearly point out the patentable novelty which he or she thinks the claims present in view of the state of the art disclosed by the references cited or the objections made. Further, they do not show how reconsideration avoids such references or objections.

19. In response to Applicant's argument that the references fail to show certain features of applicant's invention, it is noted that the features upon which applicant relies are not recited in the rejected claim(s). Although the claims are interpreted in light of the specification, limitations from the specification are not read into the claims. See *In re Van Geuns*, 988 F.2d 1181, 26 USPQ2d 1057 (Fed. Cir. 1993).

20. Examiner has considered Applicant's arguments concerning components within the prior art and disagrees with Applicant's assessment of the same. Examiner finds all necessary functionalities to be present as recited in the original office action of 4 June 2004. Moreover, Examiner has considered Applicant's additional claim language reciting an additional received request for a screen reader and audio process, support for which Applicant claims to be a visually impaired use, (Spec. P.3, line 28 to P. 4, line 3), which use does not in any way specifically enumerate an additionally received request. Thus, Examiner finds such "additionally received request" to be inherent in the use of a touch screen with visual/audio impairment functionalities, as part of the

automatic processing by which a device incorporating the same will be affected during use.

21. As Examiner has completely addressed Applicant's amendment, and finding Applicant's arguments do not show how the amendment avoids such references or objections, Examiner hereby maintains the original rejection of all claims and amended claims in their entirety.

22. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

23. A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

***Conclusion***

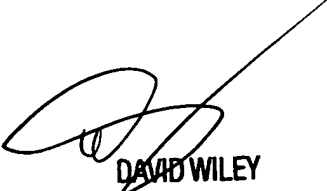
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Arrienne M. Lezak whose telephone number is (703)-305-0717. The examiner can normally be reached on M-F 8:30-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David A. Wiley can be reached on (703)-308-5221. The fax phone number for the organization where this application or proceeding is assigned is (703)-305-3718.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703)-305-6121.

Arrienne M. Lezak  
Examiner  
Art Unit 2143

AML

  
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